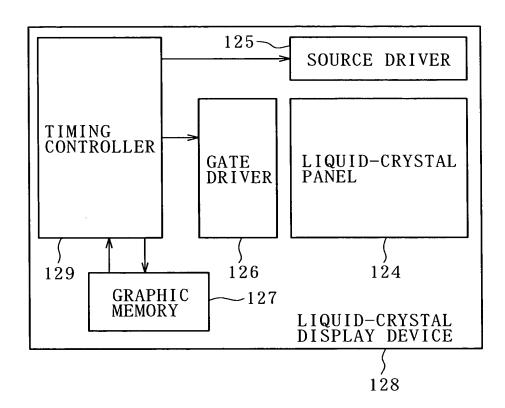
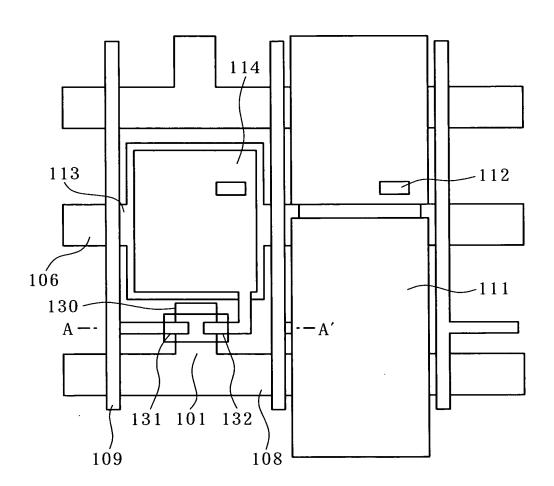
Hogan & Hartson 81940.0066 Yoshifumi SEKIGUCHI et al. Liquid-Crystal Display Device and ... EV 324 111 401 US 27 Drawing Sheets; Sheet 1 of 27

F I G. 1



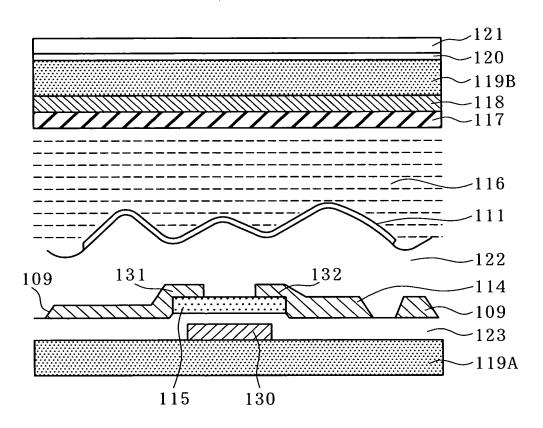
Hogan & Hartson 81940.0066 Yoshifumi SEKIGUCHI et al. Liquid-Crystal Display Device and ... EV 324 111 401 US 27 Drawing Sheets; Sheet 2 of 27

F I G. 2



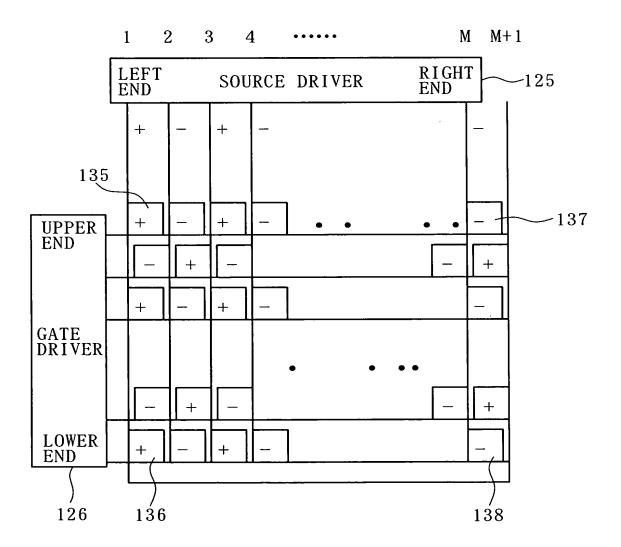
Hogan & Hartson 81940.0066 Yoshifumi SEKIGUCHI et al. Liquid-Crystal Display Device and ... EV 324 111 401 US 27 Drawing Sheets; Sheet 3 of 27

F I G. 3



Hogan & Hartson 81940.0066 Yoshifumi SEKIGUCHI et al. Liquid-Crystal Display Device and ... EV 324 111 401 US 27 Drawing Sheets; Sheet 4 of 27

4/27



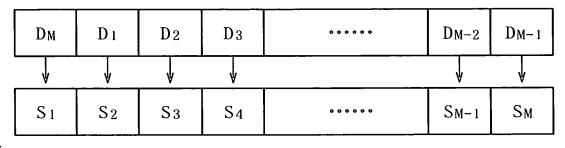
Hogan & Hartson 81940.0066 Yoshifumi SEKIGUCHI et al. Liquid-Crystal Display Device and ... EV 324 111 401 US 27 Drawing Sheets; Sheet 5 of 27

5/27

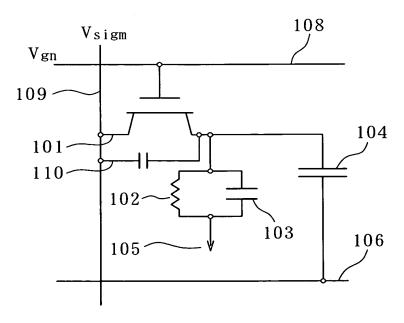
GATE LINES ON ODD-NUMBERED ROWS ARE PUT IN AN ON STATE

Dı	D2	D3	D4	••••	DM-1	Dм
V	V	V	V		V	V
Sı	S ₂	S ₃	S4	••••	Sm-1	Sm

GATE LINES ON EVEN-NUMBERED ROWS ARE PUT IN AN ON STATE

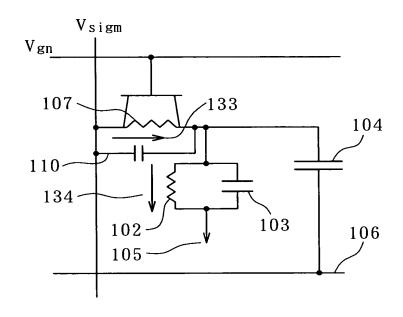


F I G. 6

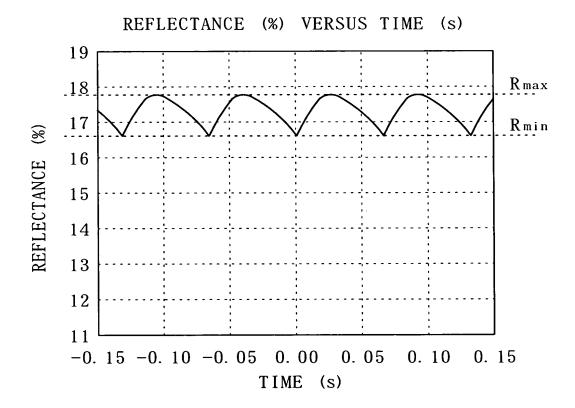


Hogan & Hartson 81940.0066 Yoshifumi SEKIGUCHI et al. Liquid-Crystal Display Device and ... EV 324 111 401 US 27 Drawing Sheets; Sheet 6 of 27

F I G. 7



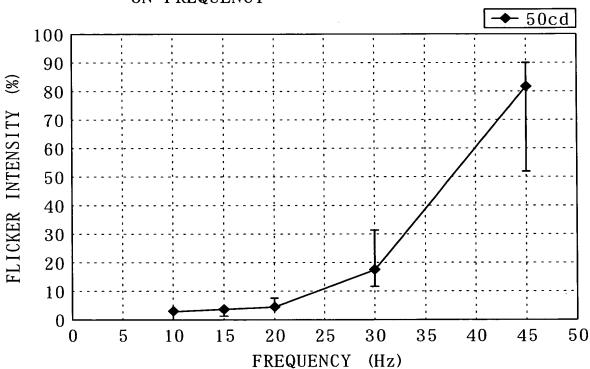
F I G. 8



Hogan & Hartson 81940.0066 Yoshifumi SEKIGUCHI et al. Liquid-Crystal Display Device and ... EV 324 111 401 US 27 Drawing Sheets; Sheet 7 of 27

F I G. 9



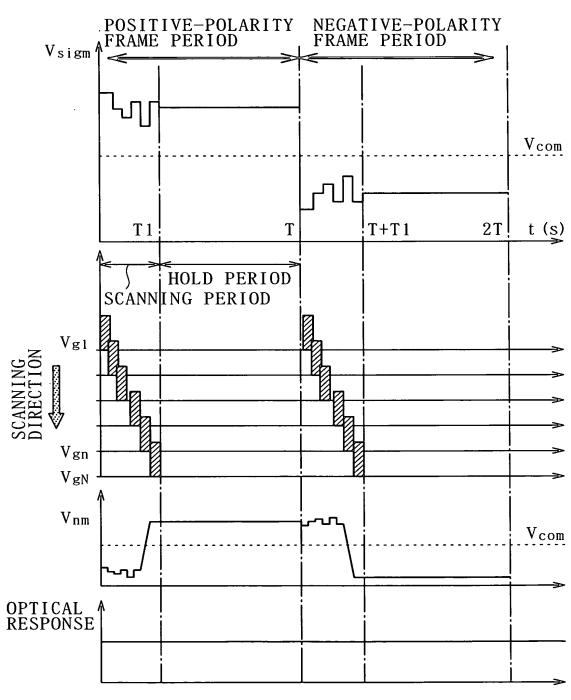


Hogan & Hartson 81940.0066 Yoshifumi SEKIGUCHI et al. Liquid-Crystal Display Device and ... EV 324 111 401 US 27 Drawing Sheets; Sheet 8 of 27

8/27

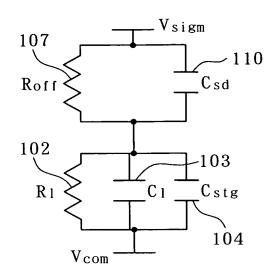
F I G. 10

T1:SCANNING PERIOD T:FRAME PERIOD

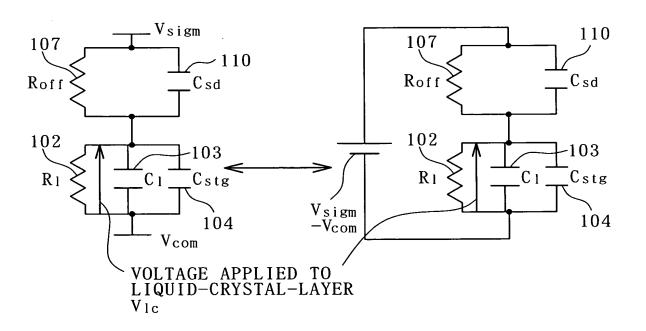


Hogan & Hartson 81940.0066 Yoshifumi SEKIGUCHI et al. Liquid-Crystal Display Device and ... EV 324 111 401 US 27 Drawing Sheets; Sheet 9 of 27

9/27

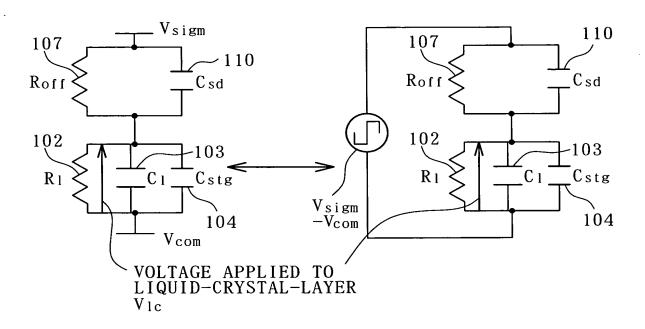


F I G. 12



Hogan & Hartson 81940.0066 Yoshifumi SEKIGUCHI et al. Liquid-Crystal Display Device and ... EV 324 111 401 US 27 Drawing Sheets; Sheet 10 of 27

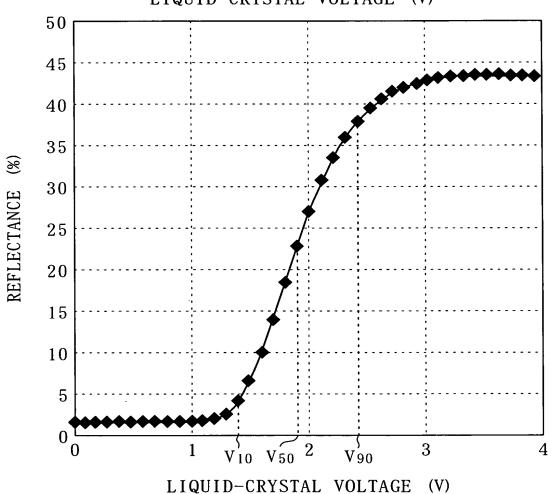
10/27



Hogan & Hartson 81940.0066 Yoshifumi SEKIGUCHI et al. Liquid-Crystal Display Device and ... EV 324 111 401 US 27 Drawing Sheets; Sheet 11 of 27

F I G. 14



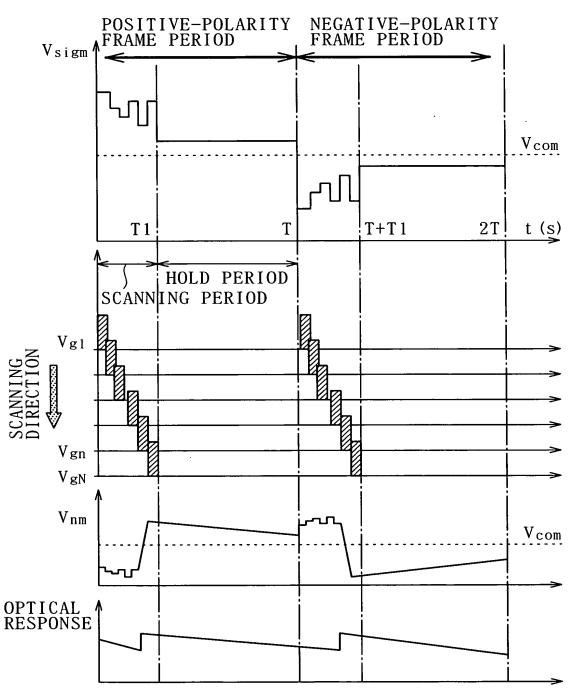


Hogan & Hartson 81940.0066 Yoshifumi SEKIGUCHI et al. Liquid-Crystal Display Device and ... EV 324 111 401 US 27 Drawing Sheets; Sheet 12 of 27

12/27

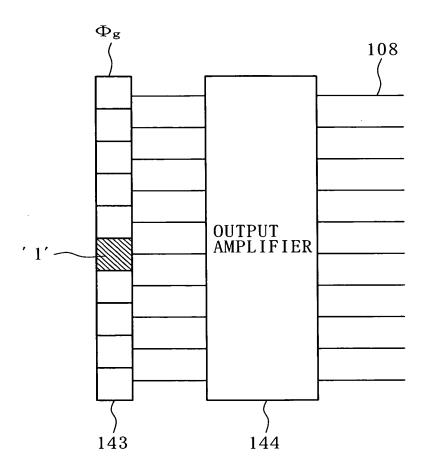
F I G. 15

T1:SCANNING PERIOD T:FRAME PERIOD



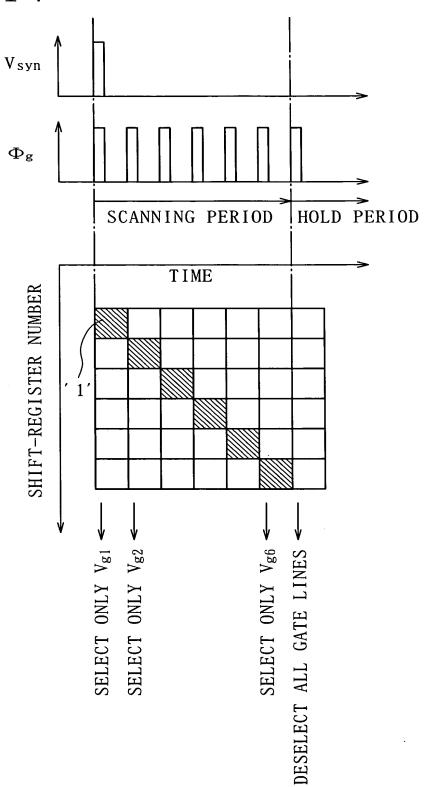
Hogan & Hartson 81940.0066 Yoshifumi SEKIGUCHI et al. Liquid-Crystal Display Device and ... EV 324 111 401 US 27 Drawing Sheets; Sheet 13 of 27

13/27



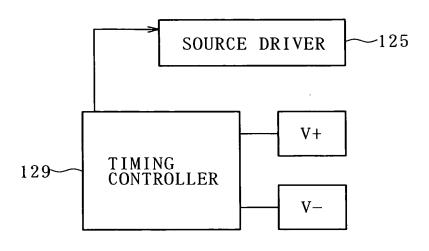
Hogan & Hartson 81940.0066 Yoshifumi SEKIGUCHI et al. Liquid-Crystal Display Device and ... EV 324 111 401 US 27 Drawing Sheets; Sheet 14 of 27

F I G. 17

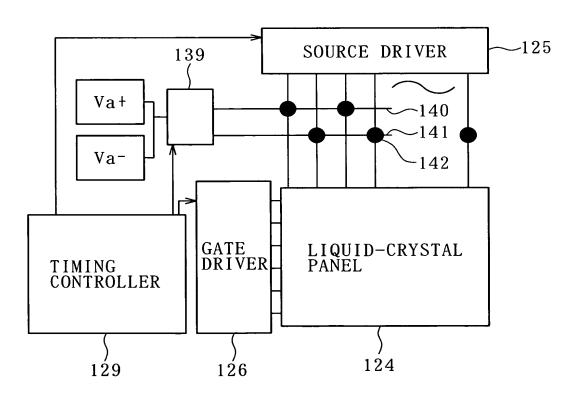


Hogan & Hartson 81940.0066 Yoshifumi SEKIGUCHI et al. Liquid-Crystal Display Device and ... EV 324 111 401 US 27 Drawing Sheets; Sheet 15 of 27

F I G. 18



F I G. 19

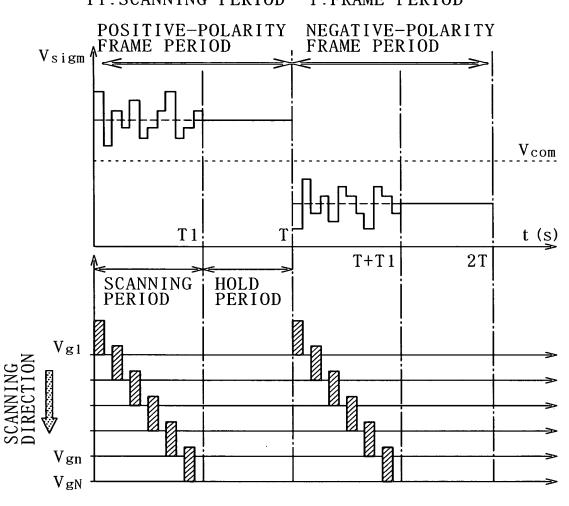


Hogan & Hartson 81940.0066 Yoshifumi SEKIGUCHI et al. Liquid-Crystal Display Device and ... EV 324 111 401 US 27 Drawing Sheets; Sheet 16 of 27

16/27

F I G. 20

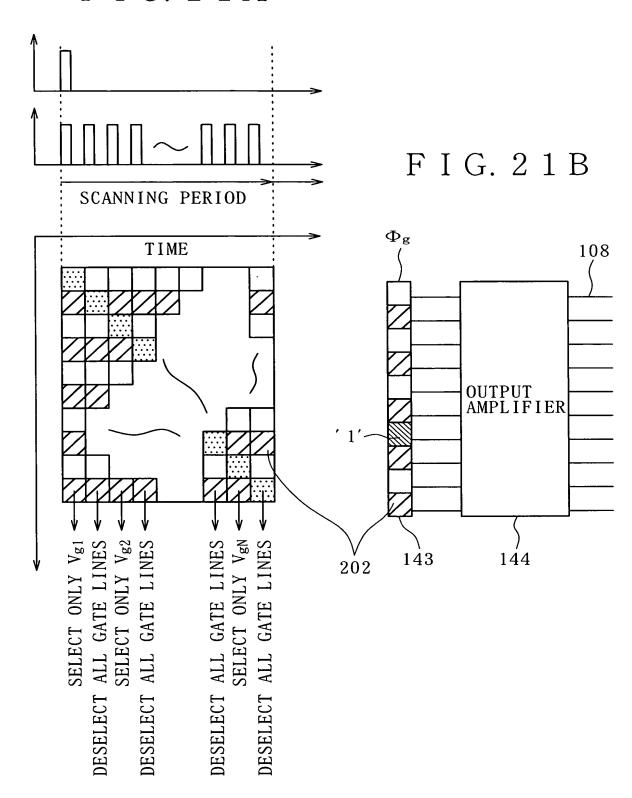
T1:SCANNING PERIOD T:FRAME PERIOD



Hogan & Hartson 81940.0066 Yoshifumi SEKIGUCHI et al. Liquid-Crystal Display Device and ... EV 324 111 401 US 27 Drawing Sheets; Sheet 17 of 27

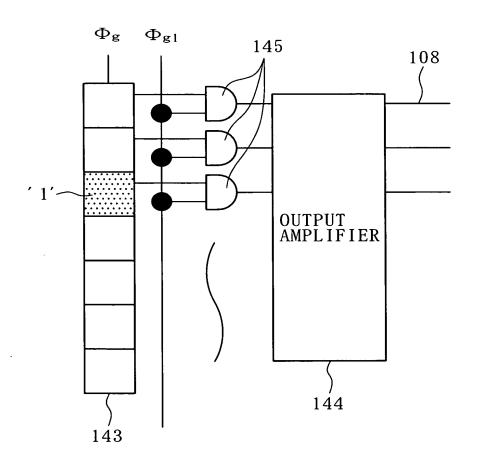
17/27

F I G. 21A

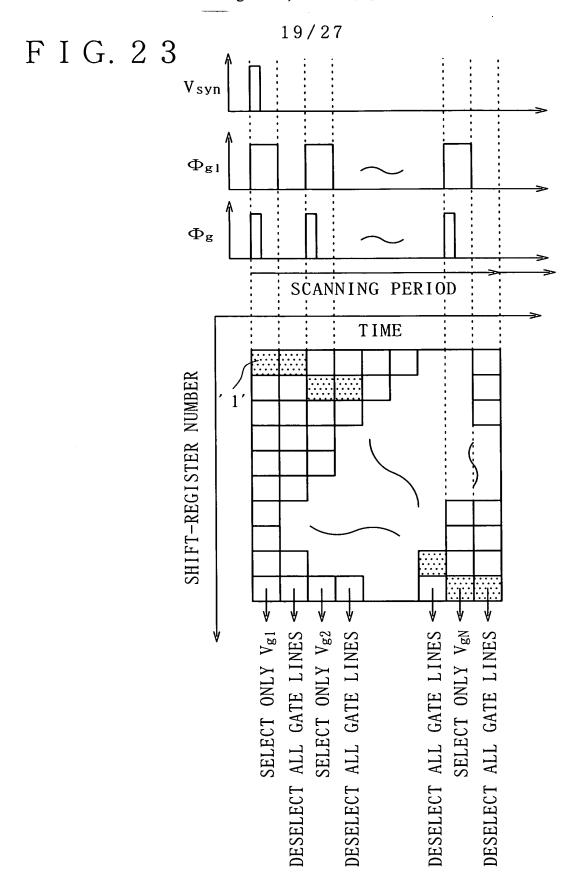


Hogan & Hartson 81940.0066 Yoshifumi SEKIGUCHI et al. Liquid-Crystal Display Device and ... EV 324 111 401 US 27 Drawing Sheets; Sheet 18 of 27

18/27



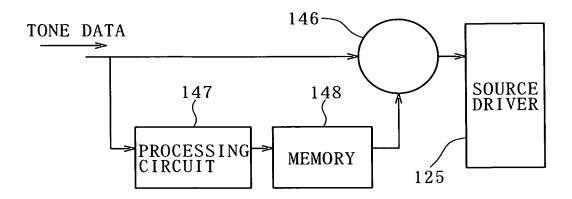
Hogan & Hartson 81940.0066 Yoshifumi SEKIGUCHI et al. Liquid-Crystal Display Device and ... EV 324 111 401 US 27 Drawing Sheets; Sheet 19 of 27



Hogan & Hartson 81940.0066 Yoshifumi SEKIGUCHI et al. Liquid-Crystal Display Device and ... EV 324 111 401 US 27 Drawing Sheets; Sheet 20 of 27

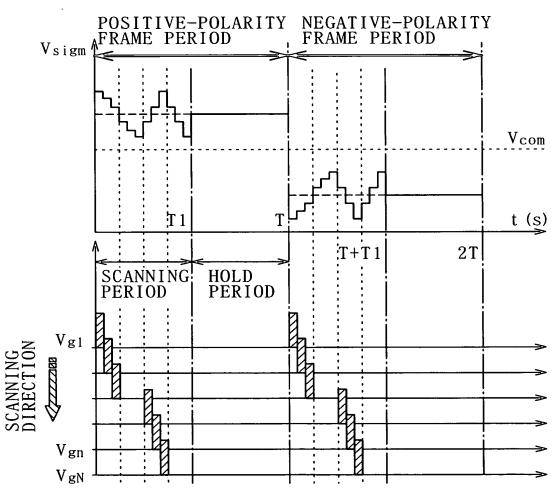
20/27

F I G. 24



F I G. 25

T1:SCANNING PERIOD T:FRAME PERIOD

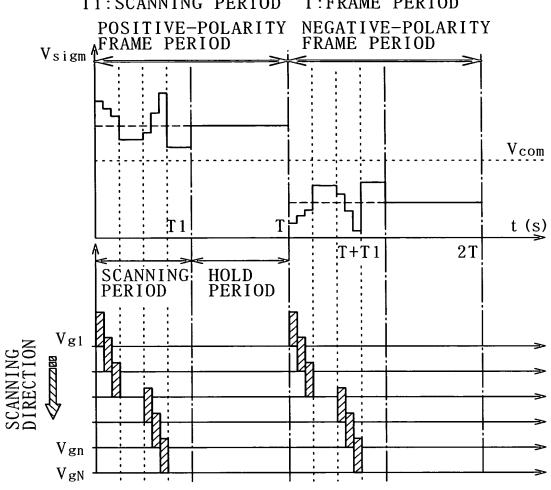


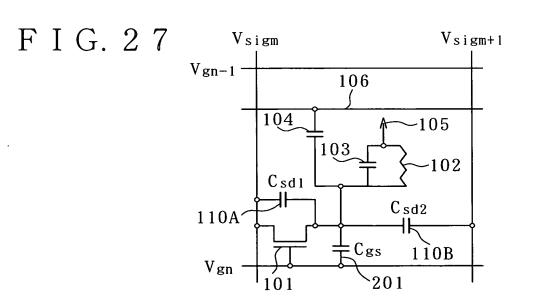
Hogan & Hartson 81940.0066 Yoshifumi SEKIGUCHI et al. Liquid-Crystal Display Device and ... EV 324 111 401 US 27 Drawing Sheets; Sheet 21 of 27

21/27

F I G. 26

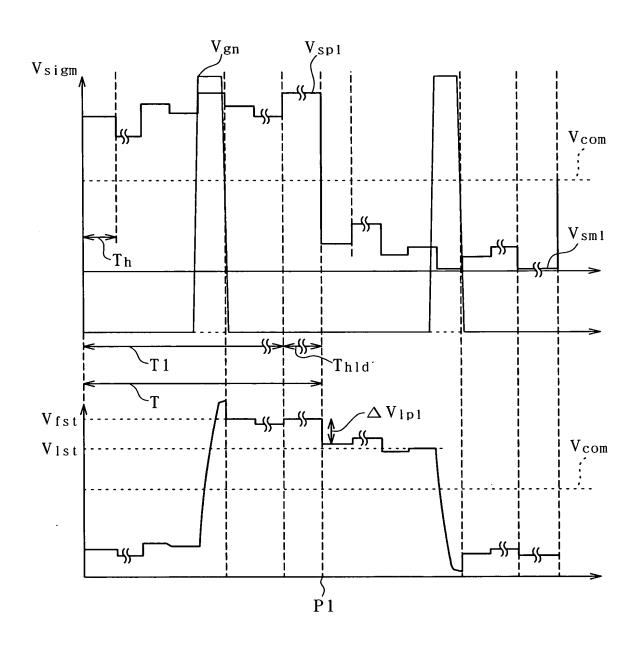
T1:SCANNING PERIOD T:FRAME PERIOD





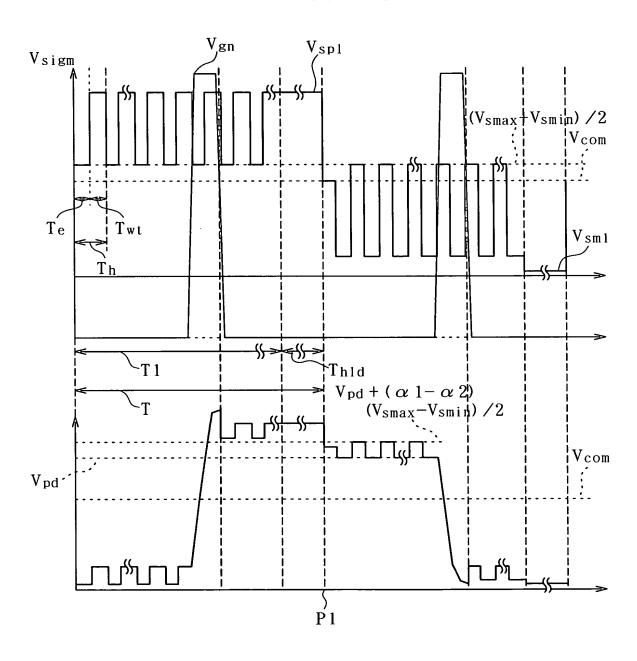
Hogan & Hartson 81940.0066 Yoshifumi SEKIGUCHI et al. Liquid-Crystal Display Device and ... EV 324 111 401 US 27 Drawing Sheets; Sheet 22 of 27

F I G. 28



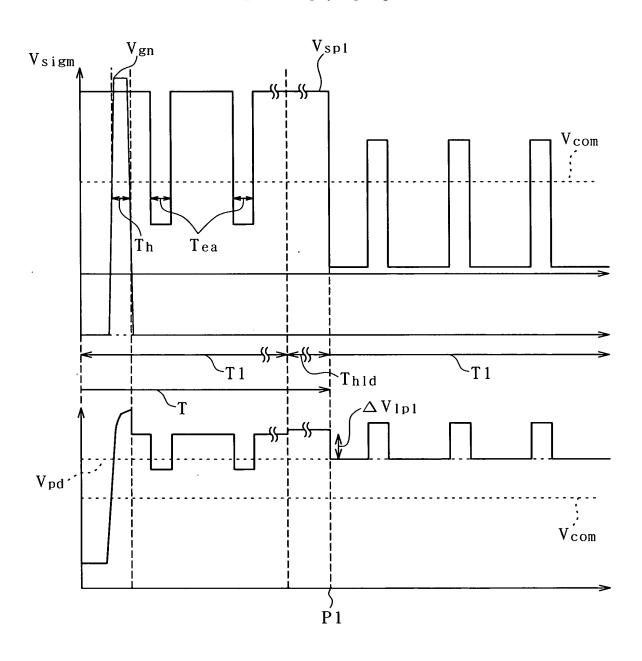
Hogan & Hartson 81940.0066 Yoshifumi SEKIGUCHI et al. Liquid-Crystal Display Device and ... EV 324 111 401 US 27 Drawing Sheets; Sheet 23 of 27

F I G. 29



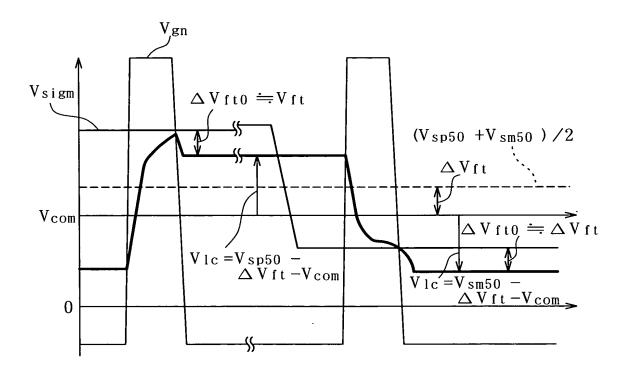
Hogan & Hartson 81940.0066 Yoshifumi SEKIGUCHI et al. Liquid-Crystal Display Device and ... EV 324 111 401 US 27 Drawing Sheets; Sheet 24 of 27

24/27

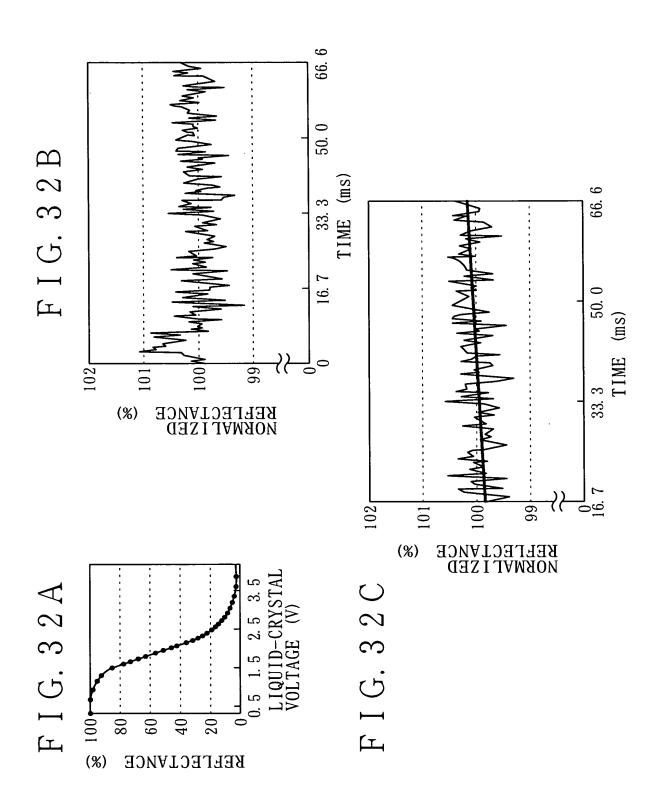


Hogan & Hartson 81940.0066 Yoshifumi SEKIGUCHI et al. Liquid-Crystal Display Device and ... EV 324 111 401 US 27 Drawing Sheets; Sheet 25 of 27

25/27



Hogan & Hartson 81940.0066 Yoshifumi SEKIGUCHI et al. Liquid-Crystal Display Device and ... EV 324 111 401 US 27 Drawing Sheets; Sheet 26 of 27



Hogan & Hartson 81940.0066 Yoshifumi SEKIGUCHI et al. Liquid-Crystal Display Device and ... EV 324 111 401 US 27 Drawing Sheets; Sheet 27 of 27

F I G. 33

